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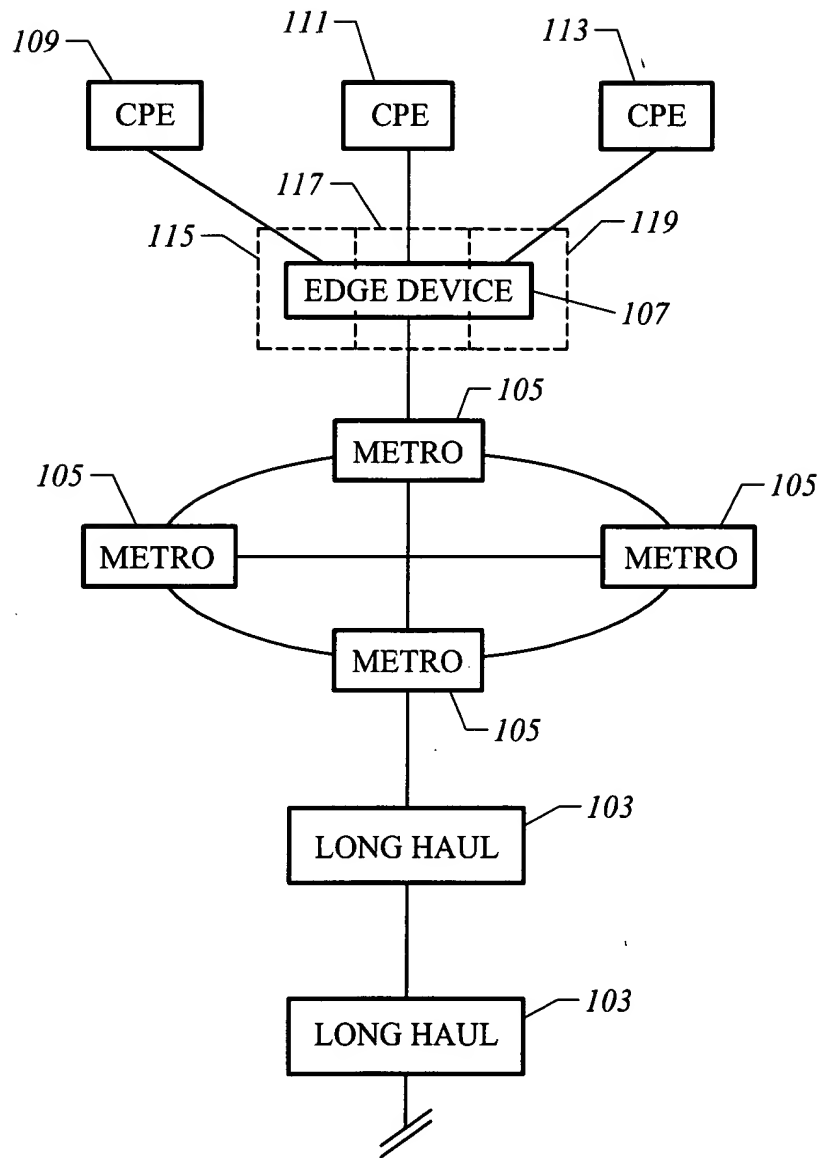


FIG. 1

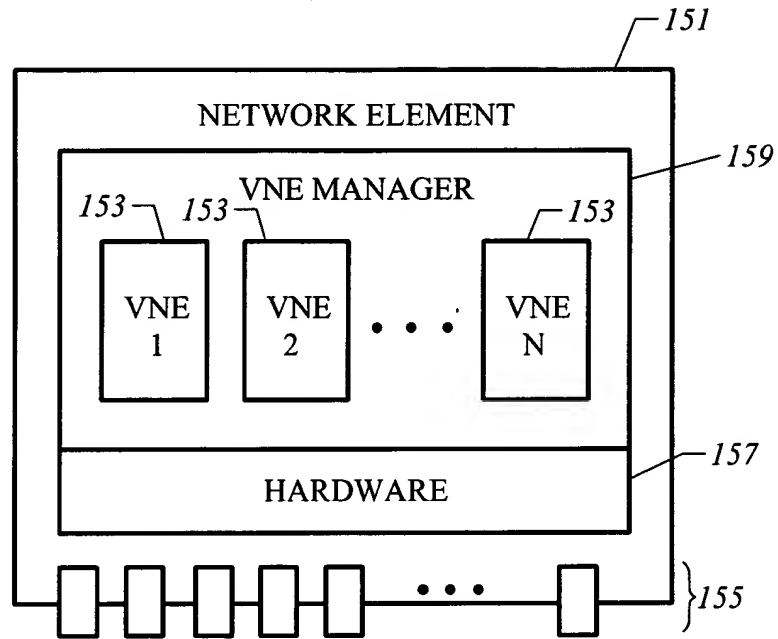


FIG. 2

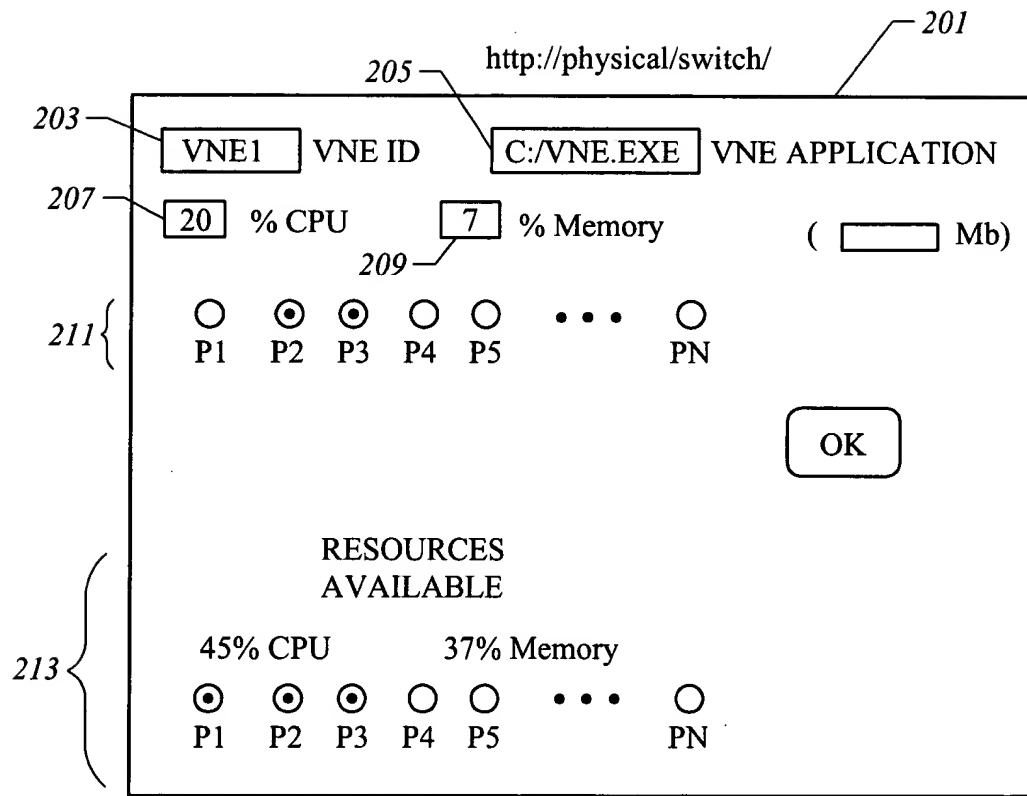


FIG. 3A

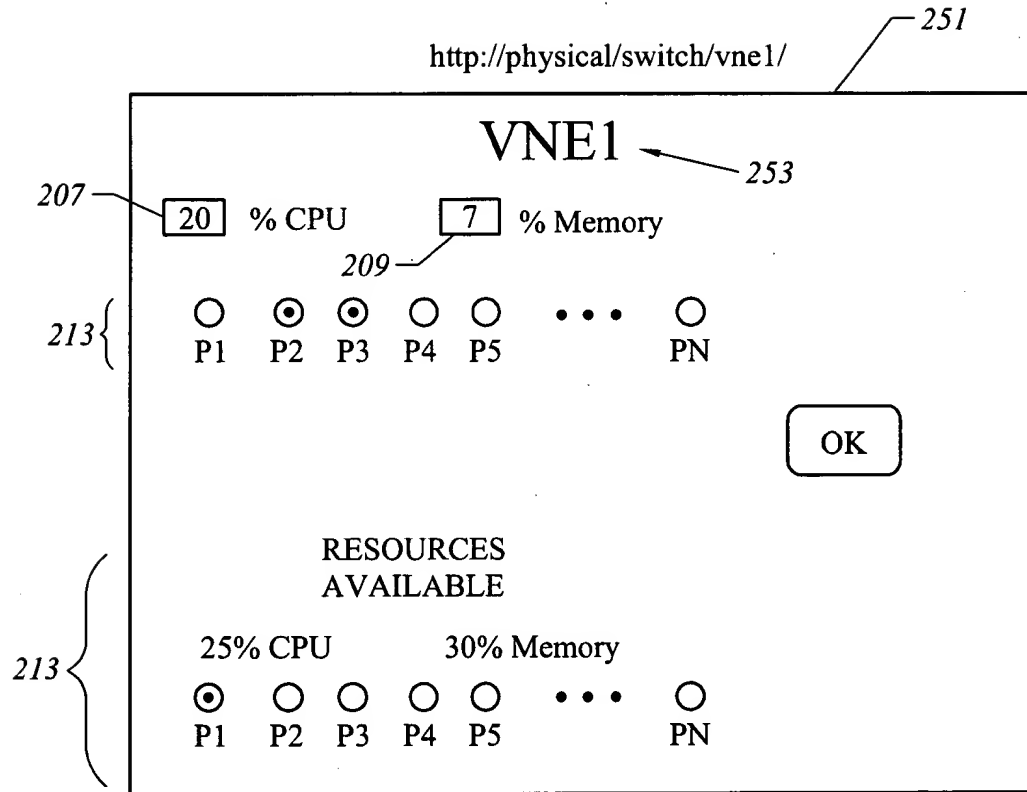


FIG. 3B

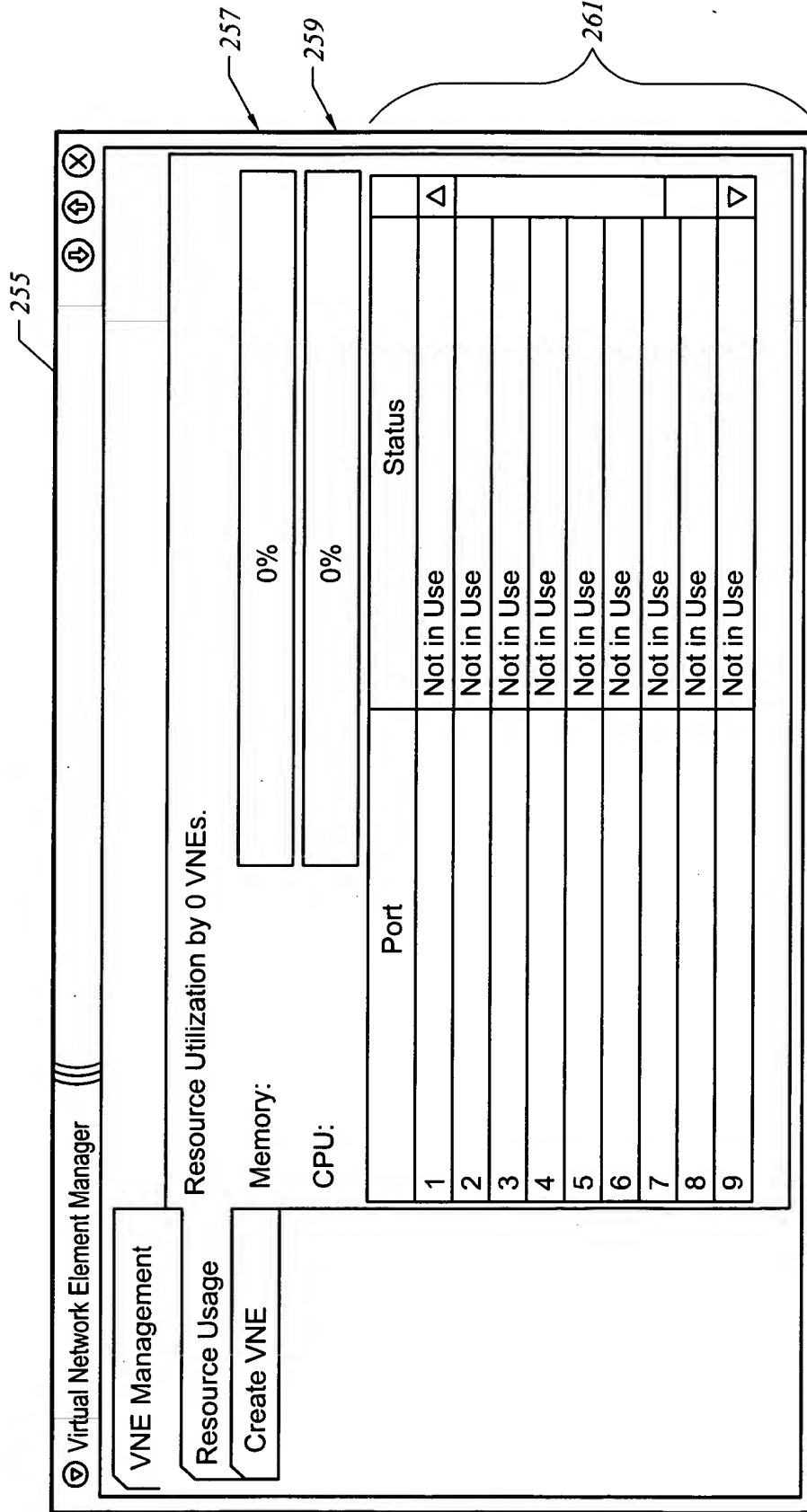


FIG. 4A

263

Virtual Network Element Manager

VNE Management

Resource Usage

Create VNE

VNE ID

Application Binary

Memory Allocation

CPU Allocation

265

267

269

271

273

Port	Status
1	<input type="checkbox"/>
2	<input type="checkbox"/>
3	<input type="checkbox"/>
4	<input type="checkbox"/>
5	<input type="checkbox"/>
6	<input type="checkbox"/>

Create

Reset

FIG. 4B

Virtual Network Element Manager

VNE Management

Resource Usage

Create VNE

VNE ID: VNE 1

Application Binary: QoS.bin

Memory Allocation:

CPU Allocation:

Port	Status
1	<input checked="" type="checkbox"/>
2	<input checked="" type="checkbox"/>
3	<input checked="" type="checkbox"/>
4	<input checked="" type="checkbox"/>
5	<input type="checkbox"/>
6	<input type="checkbox"/>

Create Reset

265 267 269 271 273

275

FIG. 4C

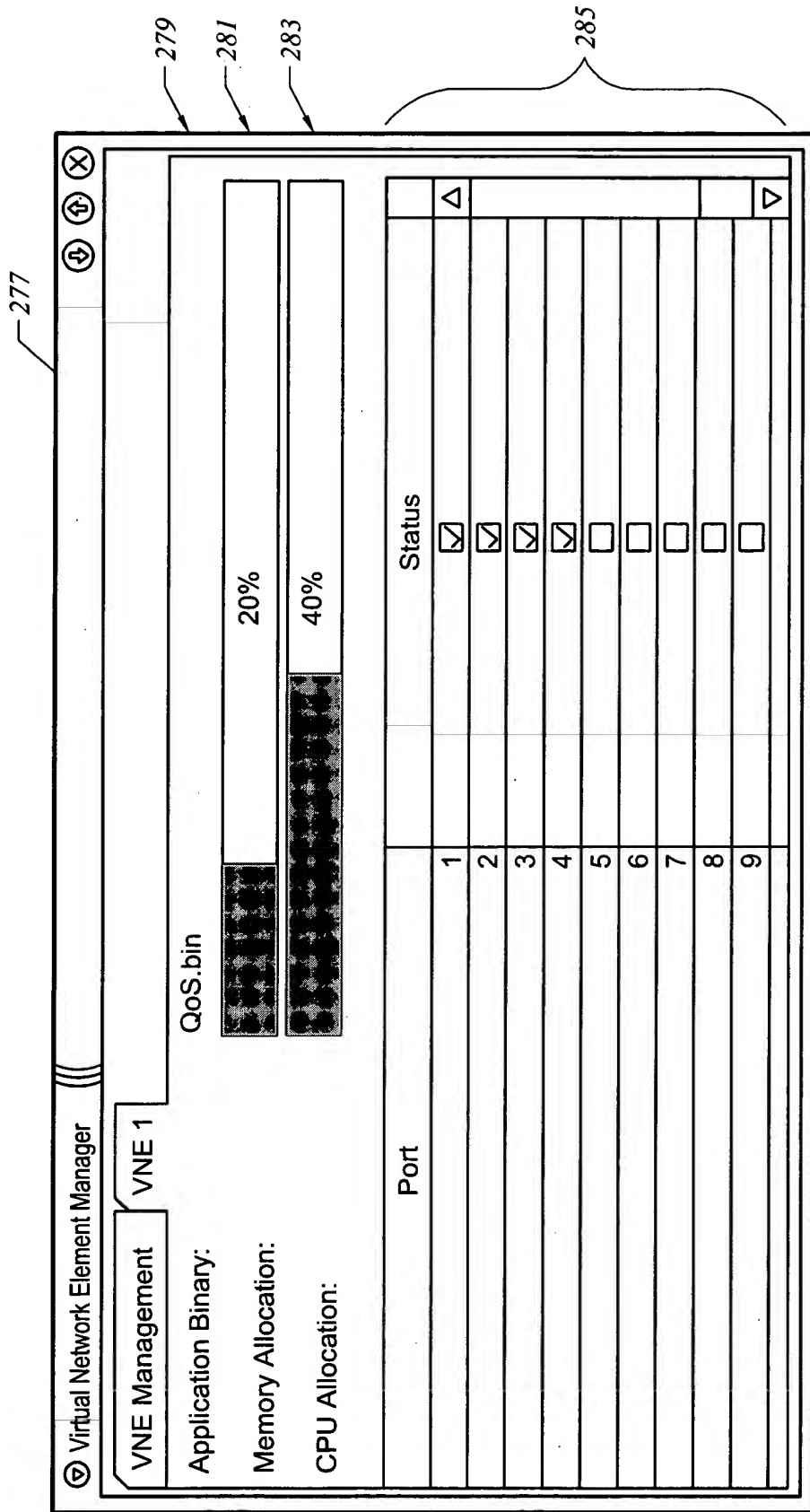


FIG. 4D

Virtual Network Element Manager

VNE Management

Resource Usage

Create VNE

VNE 1

VNE ID

Application Binary

Memory Allocation

CPU Allocation

VNE 2

Experimental.bin

Port

Status

5	<input checked="" type="checkbox"/>	Δ
6	<input checked="" type="checkbox"/>	
7	<input checked="" type="checkbox"/>	
8	<input checked="" type="checkbox"/>	
9	<input type="checkbox"/>	▽

Create

Reset

265

267

269

271

273

287

FIG. 4E

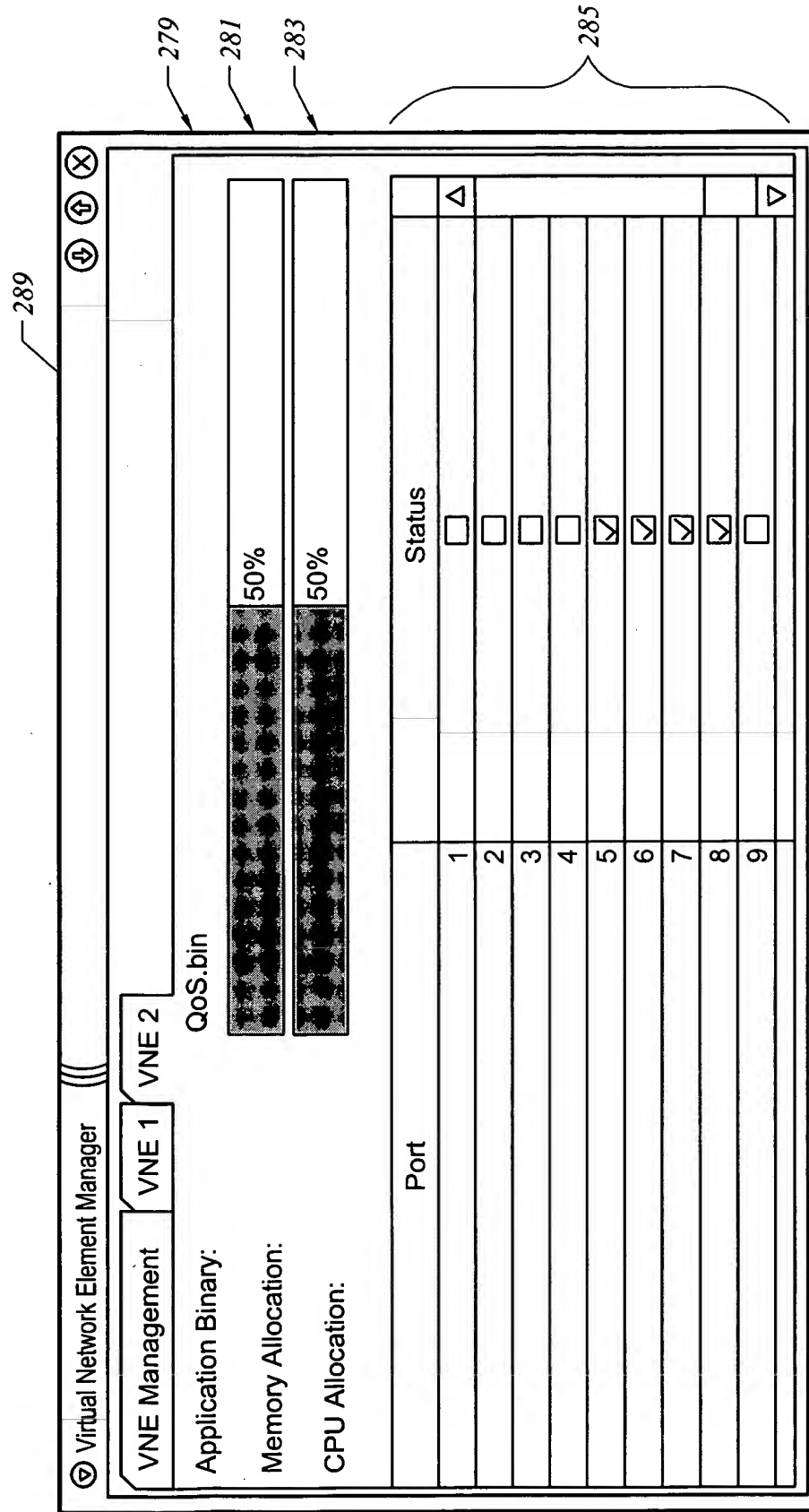


FIG. 4F

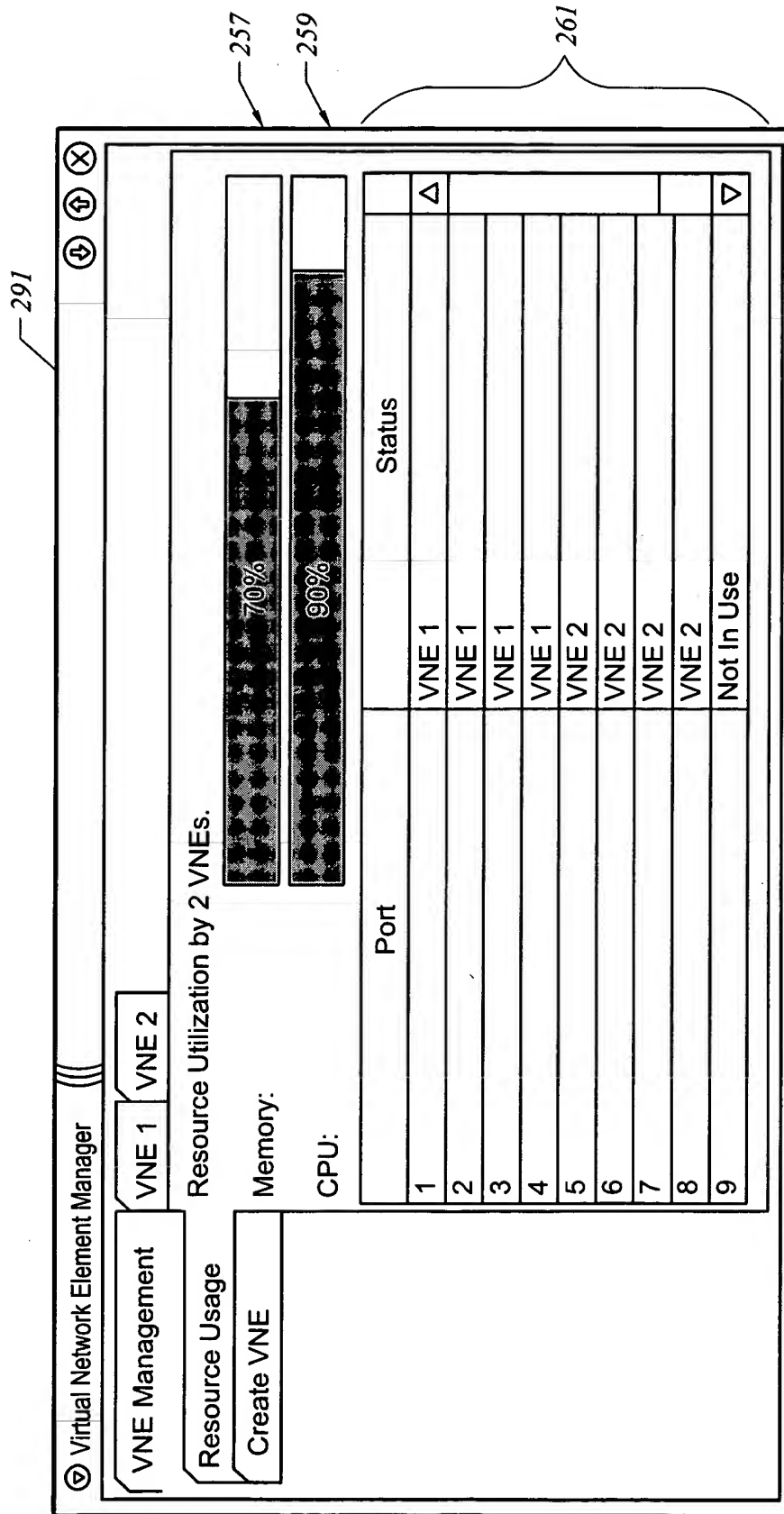


FIG. 4G

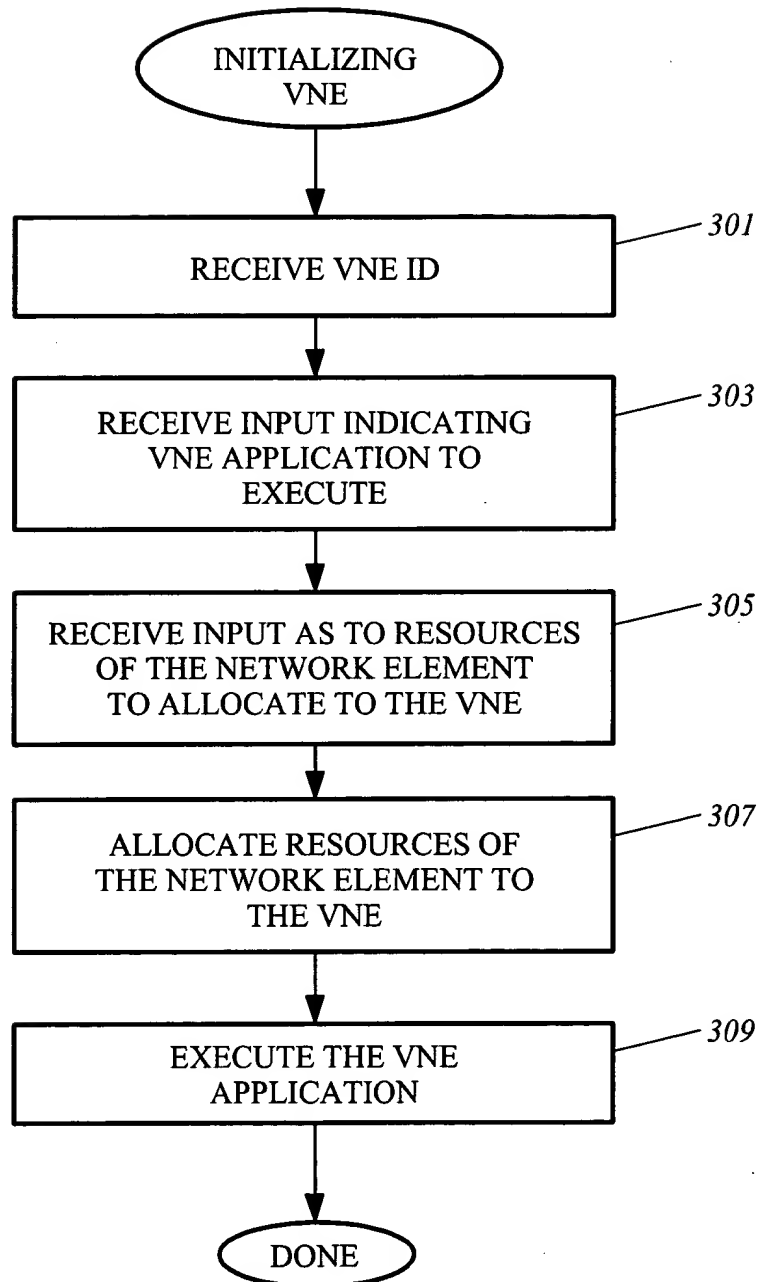


FIG. 5

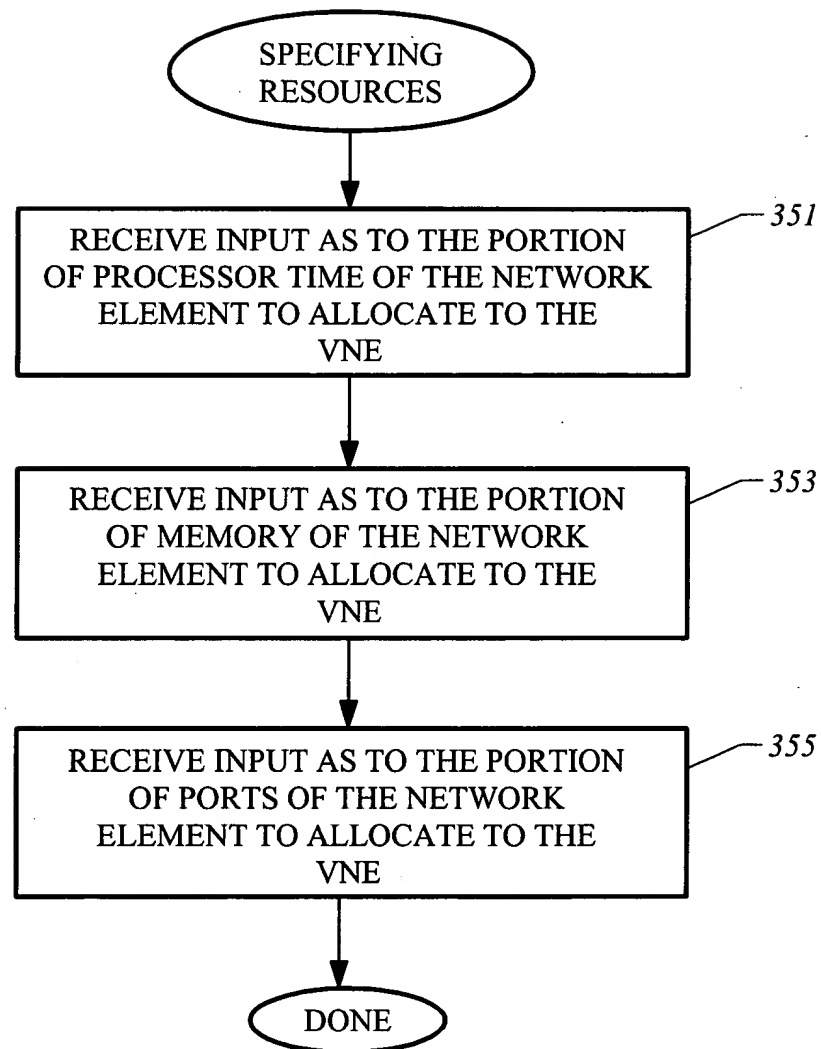


FIG. 6

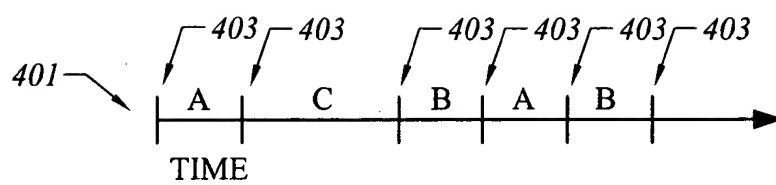


FIG. 7

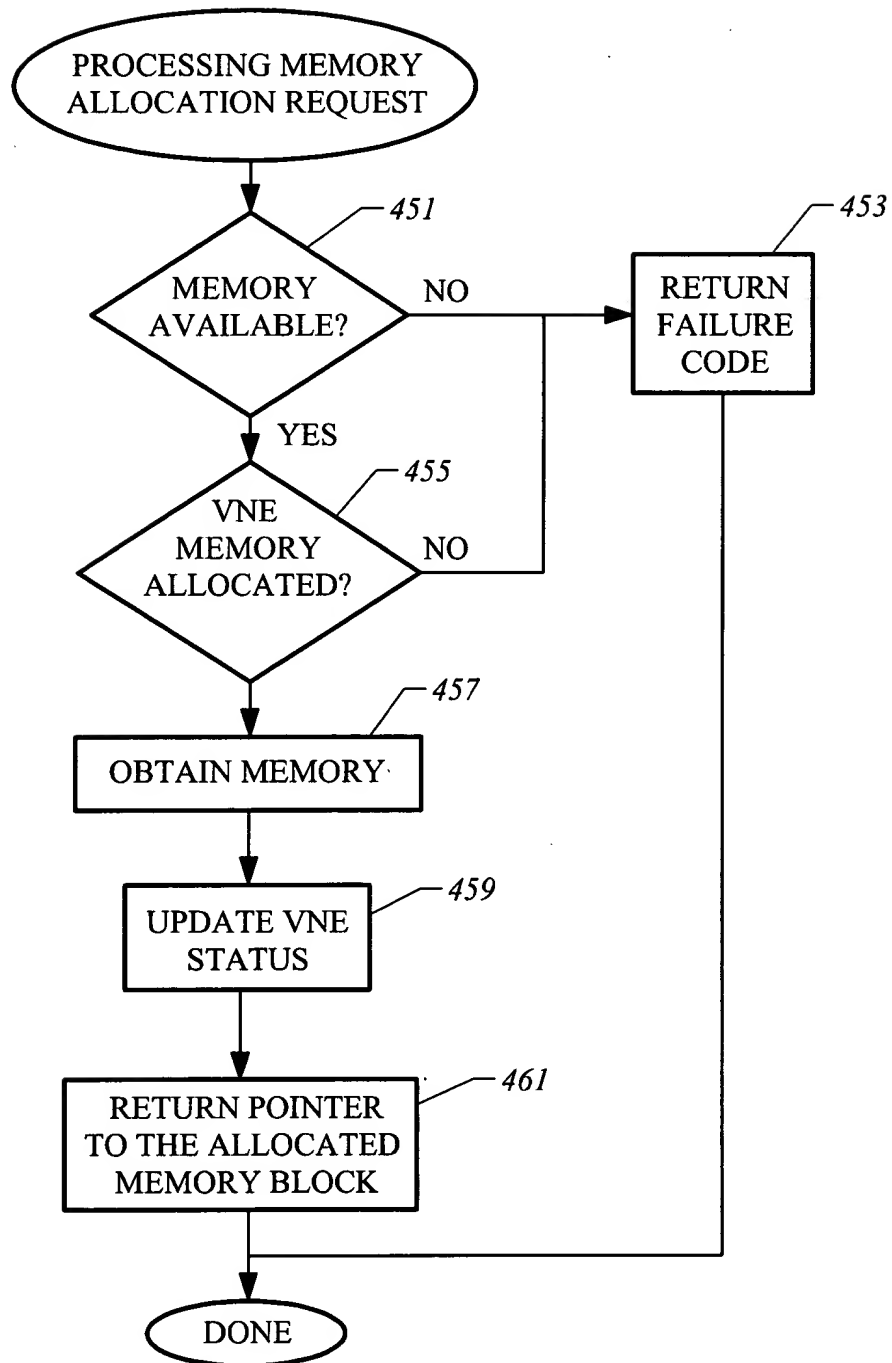


FIG. 8

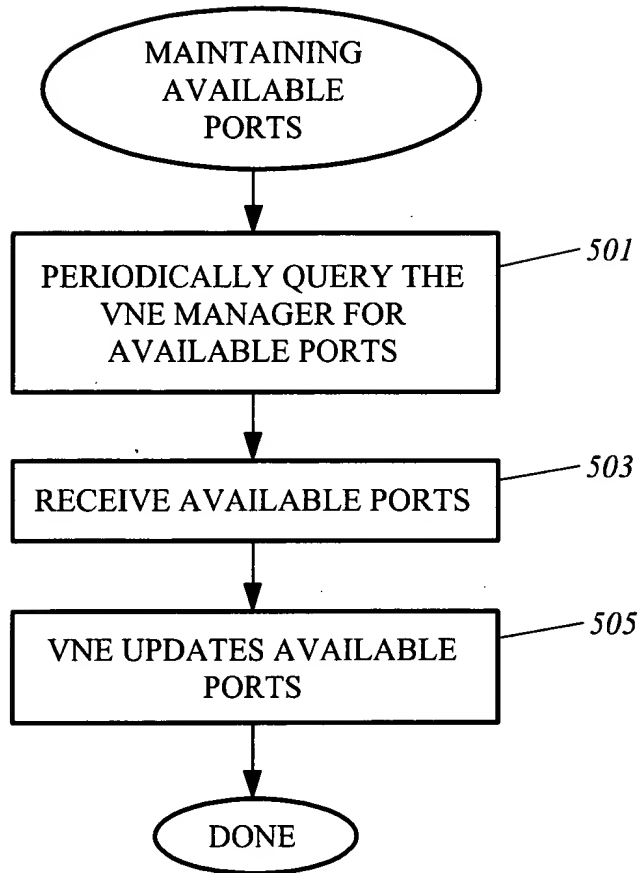


FIG. 9